

数学科 方程式マスター B-⑦

()組()番 名前()

次の x についての方程式を解きなさい。

① $-5x-6=-56$

⑥ $15=18-3x$

② $20+3x=-1$

⑦ $-5x=4x+3$

③ $4x+5=25$

⑧ $7x+36=3x$

④ $-25-4x=7$

⑨ $-2x-6=4x$

⑤ $10x-3=2$

⑩ $2x+4=-2x$

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次の x についての方程式を解きなさい。

$$\begin{aligned} \textcircled{1} \quad -5x - 6 &= -56 \\ -5x &= -56 + 6 \\ -5x &= -50 \\ \underline{-5x \div (-5)} &= \underline{-50 \div (-5)} \\ x &= 10 \# \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 20 + 3x &= -1 \\ 3x &= -1 - 20 \\ 3x &= -21 \\ \underline{3x \div 3} &= \underline{-21 \div 3} \\ x &= -7 \# \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad 4x + 5 &= 25 \\ 4x &= 25 - 5 \\ 4x &= 20 \\ \underline{4x \div 4} &= \underline{20 \div 4} \\ x &= 5 \# \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad -25 - 4x &= 7 \\ -4x &= 7 + 25 \\ -4x &= 32 \\ \underline{-4x \div (-4)} &= \underline{32 \div (-4)} \\ x &= -8 \# \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad 10x - 3 &= 2 \\ 10x &= 2 + 3 \\ 10x &= 5 \\ \underline{10x \div 10} &= \underline{5 \div 10} \\ x &= \frac{5}{10} \\ x &= \frac{1}{2} \# \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 15 &= 18 - 3x \\ 3x &= 18 - 15 \\ 3x &= 3 \\ \underline{3x \div 3} &= \underline{3 \div 3} \\ x &= 1 \# \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad -5x &= 4x + 3 \\ -5x - 4x &= 3 \\ -9x &= 3 \\ \underline{-9x \div (-9)} &= \underline{3 \div (-9)} \\ x &= -\frac{3}{9} \\ x &= -\frac{1}{3} \# \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad 7x + 36 &= -3x \\ 7x - 3x &= -36 \\ 4x &= -36 \\ \underline{4x \div 4} &= \underline{-36 \div 4} \\ x &= -9 \# \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad -2x - 6 &= 4x \\ -2x - 4x &= 6 \\ -6x &= 6 \\ \underline{-6x \div (-6)} &= \underline{6 \div (-6)} \\ x &= -1 \# \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad 2x + 4 &= -2x \\ 2x + 2x &= -4 \\ 4x &= -4 \\ \underline{4x \div 4} &= \underline{-4 \div 4} \\ x &= -1 \# \end{aligned}$$